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      (FILE 'USPAT' ENTERED AT 08:10:05 ON 10 DEC 1998)
L1      10 S 428/903.3/CCLS AND (PCR OR POST CONSUMER RECYCL?)
L2      124 S (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE
L3      54 S L2 AND POLYPROPYLENE
L4      54 FOCUS L3 1-
L5      3 S L2 AND (EVOH OR ETHYLENE VINYL ALCOHOL)
L6      11 S L2 AND FLUORIN? (P) POLYETHYLENE
L7      0 S 428/421/CCLS AND L2

```

=> file epo jpo

FILE 'EPO' ENTERED AT 08:22:55 ON 10 DEC 1998

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* * * * *
*           G P I
*   E U R O P E A N   P A T E N T   A B S T R A C T S
* * * * *

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FILE 'JPO' ENTERED AT 08:22:55 ON 10 DEC 1998

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* * * * *
*           G P I
*   J A P A N E S E   P A T E N T   A B S T R A C T S
*
*   THE FILE IS CURRENT THROUGH JULY 31, 1998.
* * * * *

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=> s 13

FILE 'EPO'

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      331 PCR
      3 PCRS
      334 PCR
      (PCR OR PCRS)
16081 POST
6527 POSTS
20315 POST
      (POST OR POSTS)
2655 CONSUMER
762 CONSUMERS
3158 CONSUMER
      (CONSUMER OR CONSUMERS)
13814 RECYCL?
      8 POST CONSUMER RECYCL?
      (POST(W) CONSUMER (W) RECYCL?)
10579 POLYETHYLENE
147 POLYETHYLENES
10649 POLYETHYLENE
      (POLYETHYLENE OR POLYETHYLENES)
      5 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE
5442 POLYPROPYLENE
73 POLYPROPYLENES
5487 POLYPROPYLENE
      (POLYPROPYLENE OR POLYPROPYLENES)
L8      1 L2 AND POLYPROPYLENE

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FILE 'JPO'

667 PCR  
5 PCRS  
668 PCR  
(PCR OR PCRS)  
19767 POST  
2924 POSTS  
21485 POST  
(POST OR POSTS)  
681 CONSUMER  
344 CONSUMERS  
980 CONSUMER  
(CONSUMER OR CONSUMERS)  
8748 RECYCL?  
0 POST CONSUMER RECYCL?  
(POST(W) CONSUMER(W) RECYCL?)  
37003 POLYETHYLENE  
142 POLYETHYLENES  
37050 POLYETHYLENE  
(POLYETHYLENE OR POLYETHYLENES)  
3 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE  
16379 POLYPROPYLENE  
41 POLYPROPYLENES  
16393 POLYPROPYLENE  
(POLYPROPYLENE OR POLYPROPYLENES)  
L9 1 L2 AND POLYPROPYLENE

TOTAL FOR ALL FILES

L10 2 L3

=> d 1-

1. WO009605110A2, Feb. 22, 1996, CONTAINER WITH RECYCLED PLASTIC; FEHN, GREGORY M,

INT-CL: [6] B65D/

EUR-CL: B65D1/02

2. JP409099932A , Apr. 15, 1997, REACTOR; NAKAGAWA, YOSHIKAZU, et al.,

INT-CL: B65D1/09; B01J14/00

ADDITIONAL-INT-CL: B01L3/00; C12M1/00; C12Q1/68

=> d 2 ab

JP409099932A

L10: 2 of 2

# ABSTRACT:

PROBLEM TO BE SOLVED: To facilitate a sealing operation in the case of reaction processing, in a reactor for use in the field relating to biochemistry such as genetic engineering, immunology, etc., by a method wherein a base material having at least one recess and a film are provided and the film is thermally bonded to or pressed to the base material to seal the recess.

SOLUTION: A reactor for use in the study in the field relating to biochemistry such as measurement of oxygen activity, nucleic amplification by PCR, DNA extraction or in clinic inspection comprises a base material 1 and a film 2, and there are a large number of recesses 3 in the base material 1. And after reaction liquid is put into the recesses 3, the film 2 is thermally bonded to or pressed against the material 1 to seal the recesses 3. Volume of the recesses 3 is made nearly equal to that of the reaction liquid to prevent evaporation of the reaction liquid by heat, and hence the volume of the recesses is set

preferably in the range of 10&mu;l-2ml. The base material 1 is desirably comprised of a material having high thermal conductivity and low water vapor permeability and **polyethylene** and **polypropylene** or the like are used.

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=> s 15

FILE 'EPO'

331 PCR  
3 PCRS  
334 PCR  
(PCR OR PCRS)  
16081 POST  
6527 POSTS  
20315 POST  
(POST OR POSTS)  
2655 CONSUMER  
762 CONSUMERS  
3158 CONSUMER  
(CONSUMER OR CONSUMERS)  
13814 RECYCL?  
8 POST CONSUMER RECYCL?  
(POST(W) CONSUMER(W) RECYCL?)  
10579 POLYETHYLENE  
147 POLYETHYLENES  
10649 POLYETHYLENE  
(POLYETHYLENE OR POLYETHYLENES)  
5 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE  
105 EVOH  
14831 ETHYLENE  
39 ETHYLENES  
14855 ETHYLENE  
(ETHYLENE OR ETHYLENES)  
15947 VINYL  
11 VINYLS  
15957 VINYL  
(VINYL OR VINYLS)  
18448 ALCOHOL  
6031 ALCOHOLS  
22909 ALCOHOL  
(ALCOHOL OR ALCOHOLS)  
308 ETHYLENE VINYL ALCOHOL  
(ETHYLENE(W) VINYL(W) ALCOHOL)  
L11 1 L2 AND (EVOH OR ETHYLENE VINYL ALCOHOL)

FILE 'JPO'

667 PCR  
5 PCRS  
668 PCR  
(PCR OR PCRS)  
19767 POST  
2924 POSTS  
21485 POST  
(POST OR POSTS)  
681 CONSUMER  
344 CONSUMERS  
980 CONSUMER  
(CONSUMER OR CONSUMERS)  
8748 RECYCL?  
0 POST CONSUMER RECYCL?  
(POST(W) CONSUMER(W) RECYCL?)  
37003 POLYETHYLENE  
142 POLYETHYLENES  
37050 POLYETHYLENE

(POLYETHYLENE OR POLYETHYLENES)  
 3 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE  
 237 EVOH  
 1 EVOHS  
 237 EVOH  
 (EVOH OR EVOHS)  
 42422 ETHYLENE  
 11 ETHYLENES  
 42429 ETHYLENE  
 (ETHYLENE OR ETHYLENES)  
 49570 VINYL  
 44 VINYLS  
 49592 VINYL  
 (VINYL OR VINYLS)  
 51729 ALCOHOL  
 3947 ALCOHOLS  
 54495 ALCOHOL  
 (ALCOHOL OR ALCOHOLS)  
 883 ETHYLENE VINYL ALCOHOL  
 (ETHYLENE(W) VINYL(W) ALCOHOL)  
 L12 0 L2 AND (EVOH OR ETHYLENE VINYL ALCOHOL)  
  
 TOTAL FOR ALL FILES  
 L13 1 L5

=> d 1-

1. W0009605110A2, Feb. 22, 1996, CONTAINER WITH RECYCLED PLASTIC; FEHN,  
 GREGORY M,  
 INT-CL: [6] B65D/  
 EUR-CL: B65D1/02

=> s 16

FILE 'EPO'  
 331 PCR  
 3 PCRS  
 334 PCR  
 (PCR OR PCRS)  
 16081 POST  
 6527 POSTS  
 20315 POST  
 (POST OR POSTS)  
 2655 CONSUMER  
 762 CONSUMERS  
 3158 CONSUMER  
 (CONSUMER OR CONSUMERS)  
 13814 RECYCL?  
 8 POST CONSUMER RECYCL?  
 (POST(W) CONSUMER(W) RECYCL?)  
 10579 POLYETHYLENE  
 147 POLYETHYLENES  
 10649 POLYETHYLENE  
 (POLYETHYLENE OR POLYETHYLENES)  
 5 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE  
 8923 FLUORIN?  
 10579 POLYETHYLENE  
 147 POLYETHYLENES  
 10649 POLYETHYLENE  
 (POLYETHYLENE OR POLYETHYLENES)  
 93 FLUORIN? (P) POLYETHYLENE  
 L14 1 L2 AND FLUORIN? (P) POLYETHYLENE

FILE 'JPO'  
 667 PCR

5 PCRS  
 668 PCR  
 (PCR OR PCRS)  
 19767 POST  
 2924 POSTS  
 21485 POST  
 (POST OR POSTS)  
 681 CONSUMER  
 344 CONSUMERS  
 980 CONSUMER  
 (CONSUMER OR CONSUMERS)  
 8748 RECYCL?  
 0 POST CONSUMER RECYCL?  
 (POST (W) CONSUMER (W) RECYCL?)  
 37003 POLYETHYLENE  
 142 POLYETHYLENES  
 37050 POLYETHYLENE  
 (POLYETHYLENE OR POLYETHYLENES)  
 3 (PCR OR POST CONSUMER RECYCL?) (P) POLYETHYLENE  
 20427 FLUORIN?  
 37003 POLYETHYLENE  
 142 POLYETHYLENES  
 37050 POLYETHYLENE  
 (POLYETHYLENE OR POLYETHYLENES)  
 413 FLUORIN? (P) POLYETHYLENE  
 L15 0 L2 AND FLUORIN? (P) POLYETHYLENE

TOTAL FOR ALL FILES

L16 1 L6

=> d 1-

1. W0009605110A2, Feb. 22, 1996, CONTAINER WITH RECYCLED PLASTIC; FEHN, GREGORY M,

INT-CL: [6] B65D/

EUR-CL: B65D1/02